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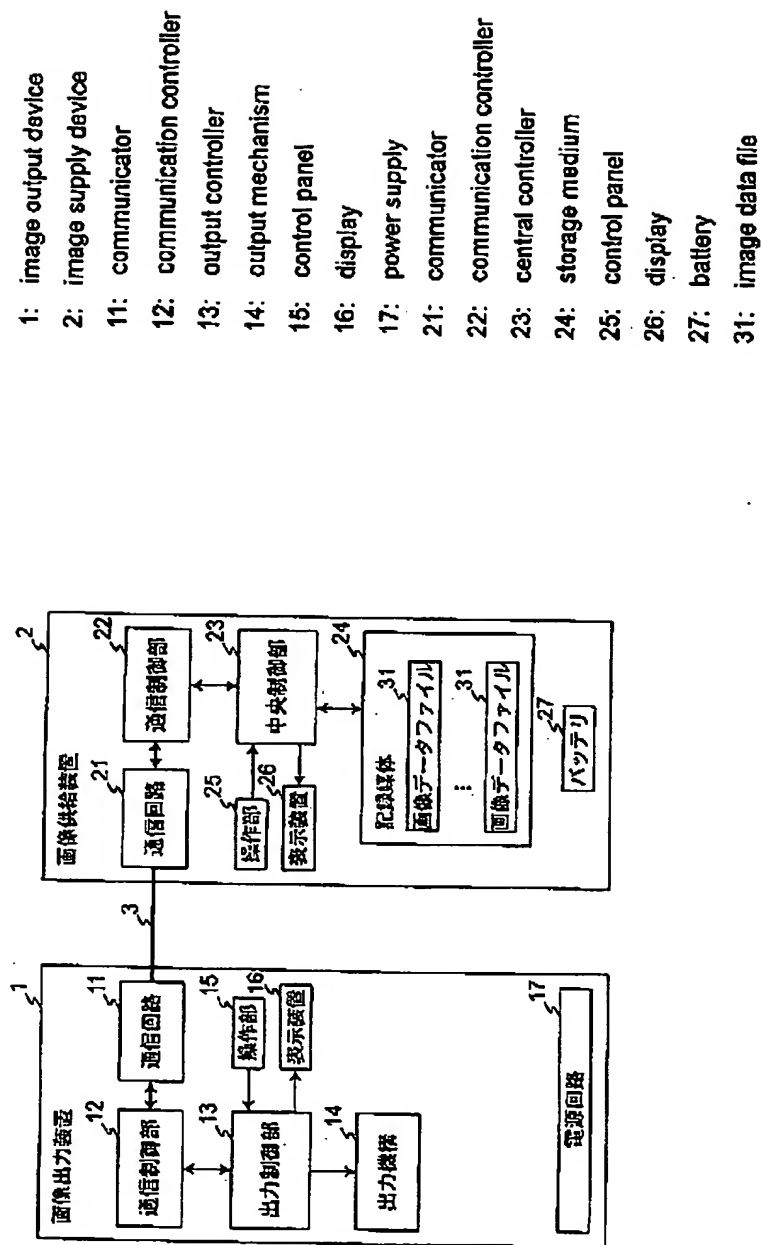
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Fig. 1



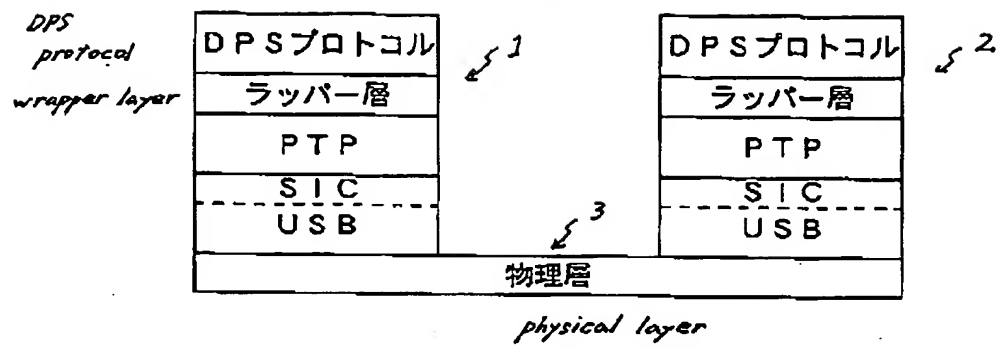
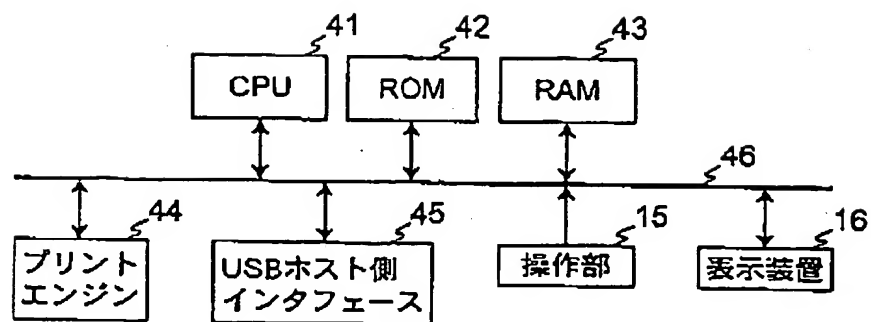


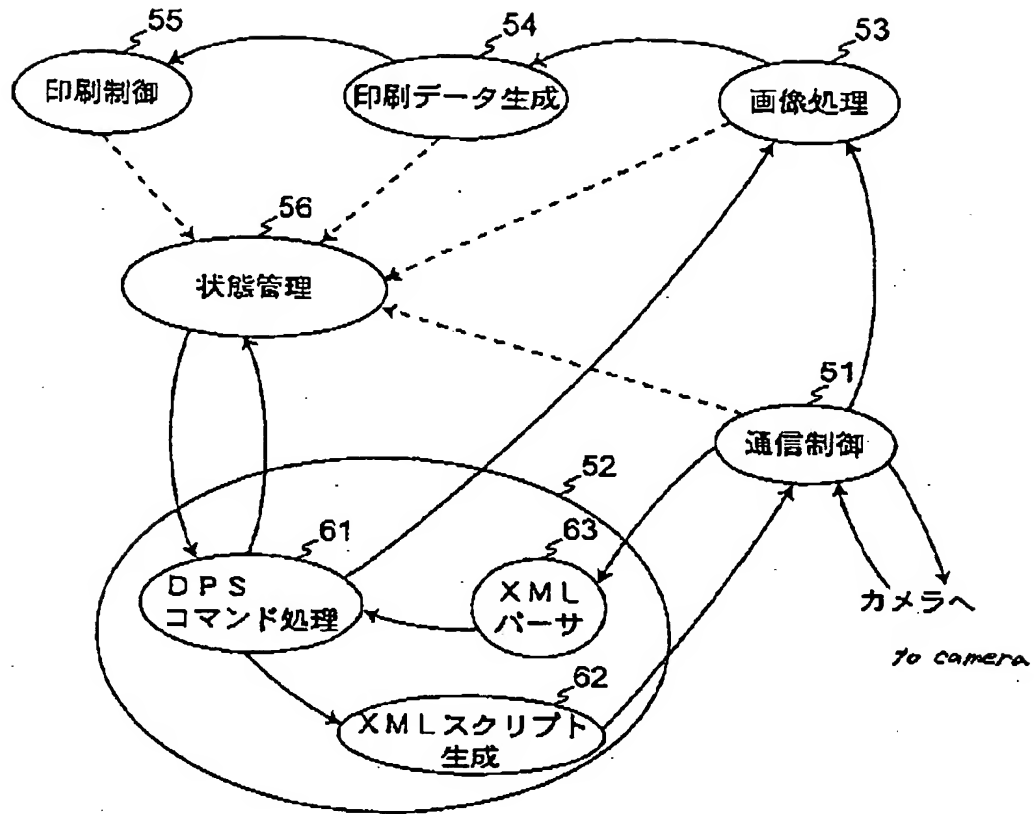
Fig. 2

Fig. 3



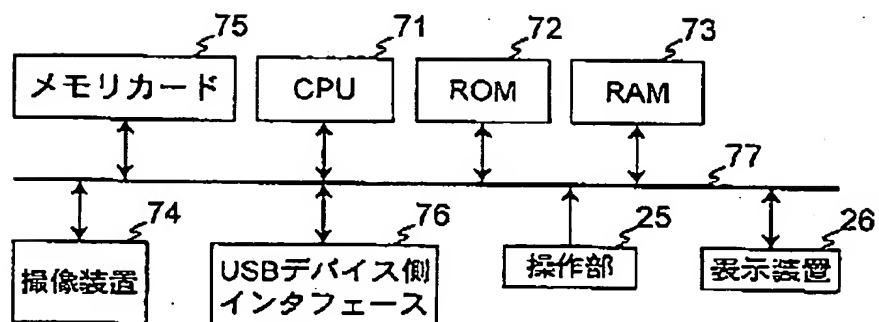
- 15: control panel
- 16: display
- 44: print engine
- 45: USB host interface

Fig. 4



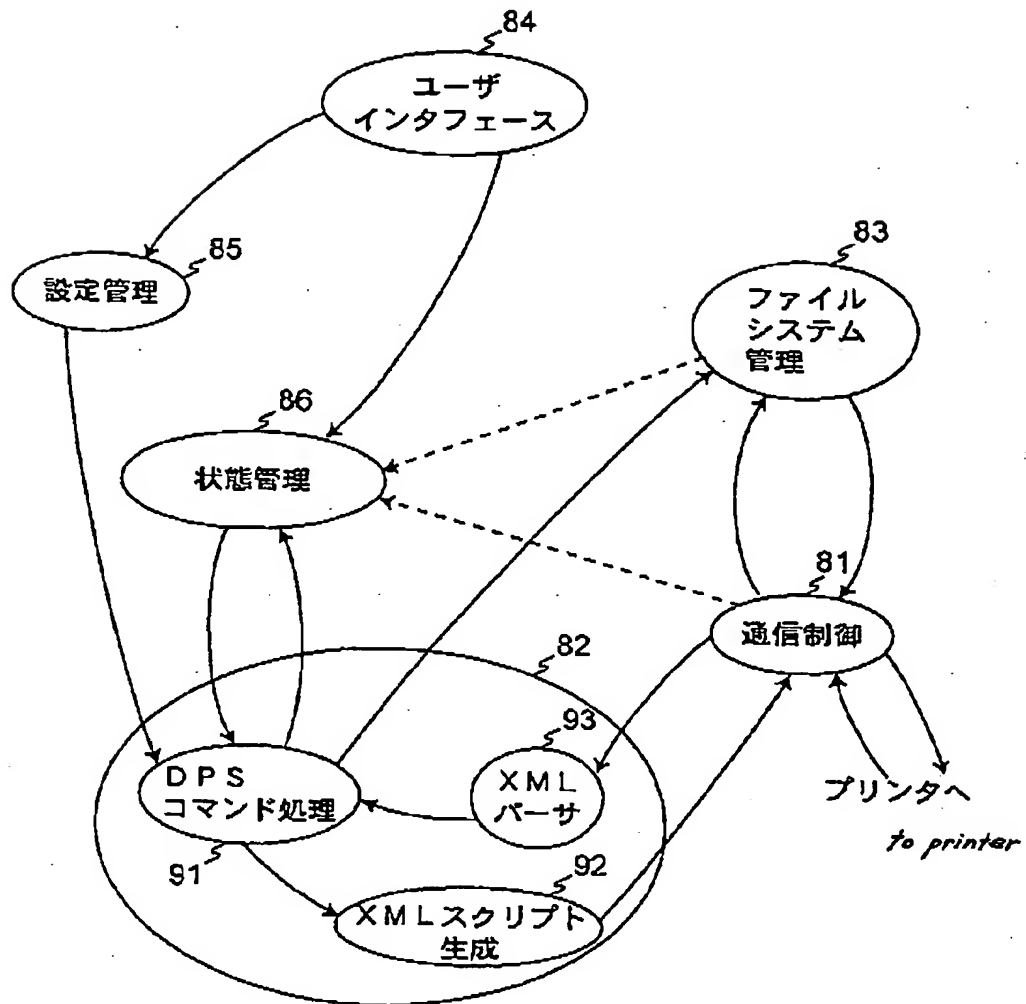
- 51: communication control
- 52: DPS protocol processing
- 53: image processing
- 54: image data generation
- 55: print control
- 56: status management
- 61: DPS command processing
- 62: XML script generation
- 63: XML parser

Fig. 5



- 25: control panel
- 26: display
- 74: imaging device
- 75: memory card
- 76: USB device interface

Fig. 6



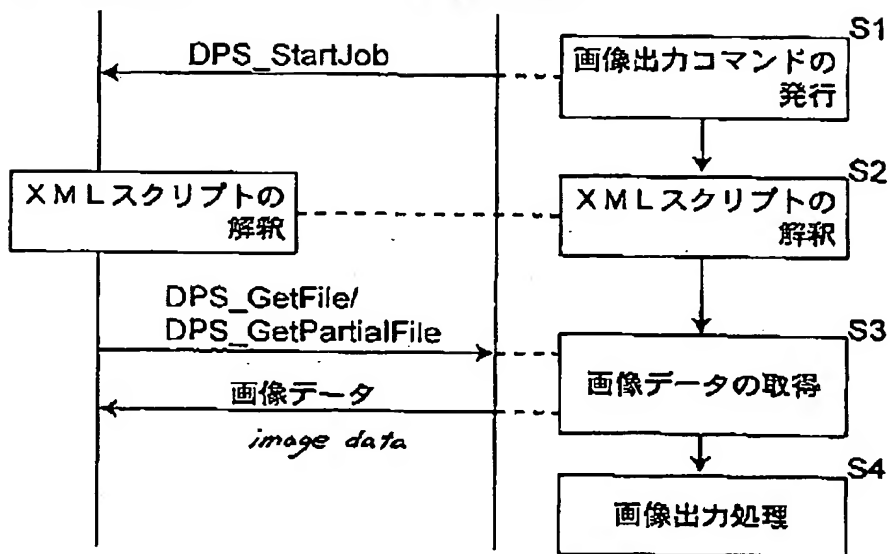
- 81: communication control
- 82: DPS protocol processing
- 83: file system management
- 84: user interface
- 85: setting management
- 86: status management
- 91: DPS command processing
- 92: XML script generation
- 93: XML parser

image output device 1

image supply device 2

画像出力装置

画像供給装置



S1: transmit image output command

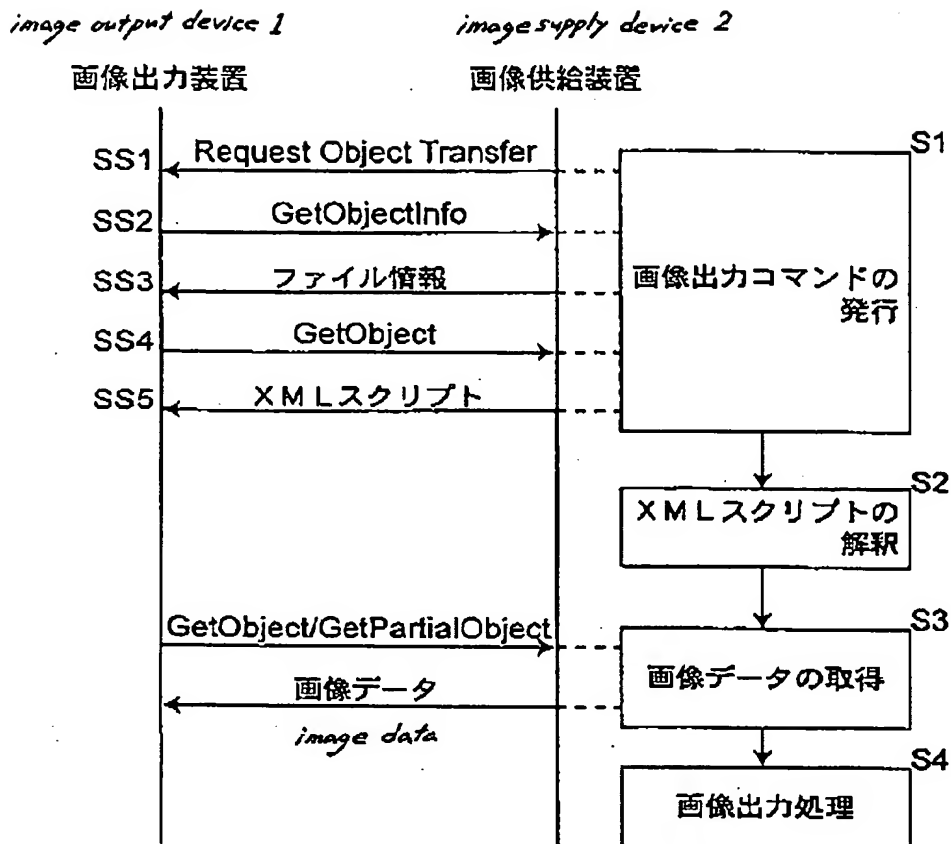
S2: interpret XML script

S3: acquire image data

S4: image output processing

Fig. 7

Fig. 8



- S1: transmit image output command
- S2: interpret XML script
- S3: acquire image data
- S4: image output processing
- SS3: file information
- SS5: XML script

Fig. 9

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <startJobRequest>
    <job>
      <jobConfig>
        <quality>01000000</quality>
        <paperSize>02010000</paperSize>
        <paperType>03020000</paperType>
        <fileType>04150000</fileType>
        <date>05010000</date>
        <fileName>06000000</fileName>
        <imageOptimize>07000000</imageOptimize>
        <layoutItem>08010000</layoutItem>
      </jobConfig>
      <printInfo>
        <image>
          <imageID>00000001</imageID>
          <imageDate>2002/05/30</imageDate>
        </image>
      </printInfo>
    </job>
  </startJobRequest>
</dps>
```

Fig. 10

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <getFileRequest>
    <fileID>00000001</fileID>
    <buffPtr>00100000</buffPtr>
  </getFileRequest>
</dps>
```

Fig. 11

preset number	contrast	brightness	color balance	saturation	sharpness	memorized color	noise removal	suitable scene
1	normal	normal	normal	normal	normal	off	off	normal
2	slight soft	slight bright	normal	slight low	slight weak	flesh	off	portrait
3	slight hard	normal	normal	slight high	slight strong	sky & green	off	landscape
4	normal	dark	off	normal	slight weak	green	on	evening
5	normal	dark	off	normal	normal	off	on	nightview
6	slight soft	slight bright	weak	slight high	normal	red	off	flower
7	normal	normal	weak	normal	strong	off	off	macro
8	hard	normal	normal	slight high	strong	off	off	sports
9	slight soft	bright	normal	normal	normal	off	off	backlight
10	normal	normal	normal	high	slight strong	red	off	red leaves
11	normal	slight bright	normal	normal	slight strong	flesh	off	memorial

Fig. 12

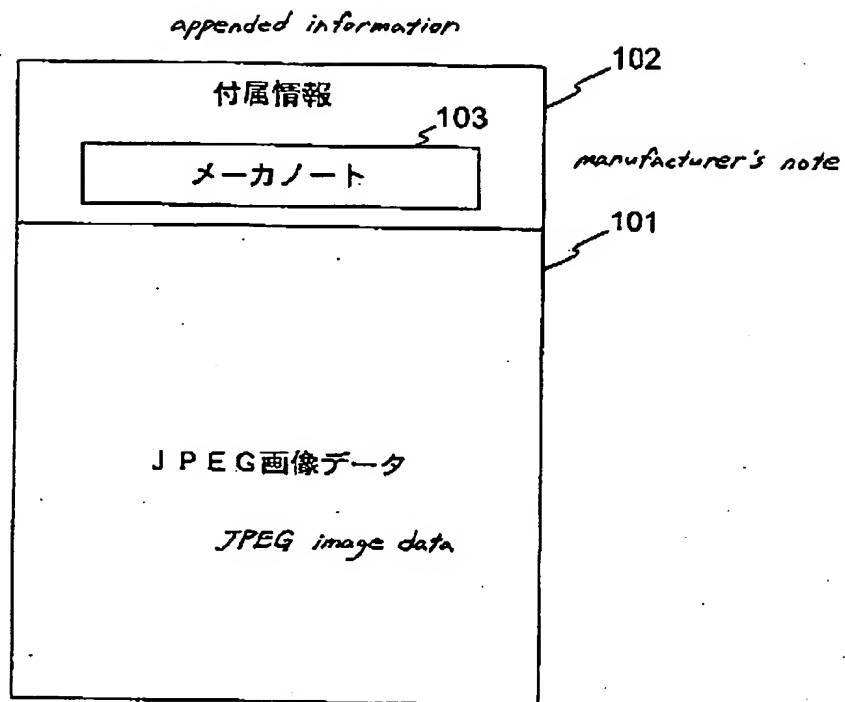


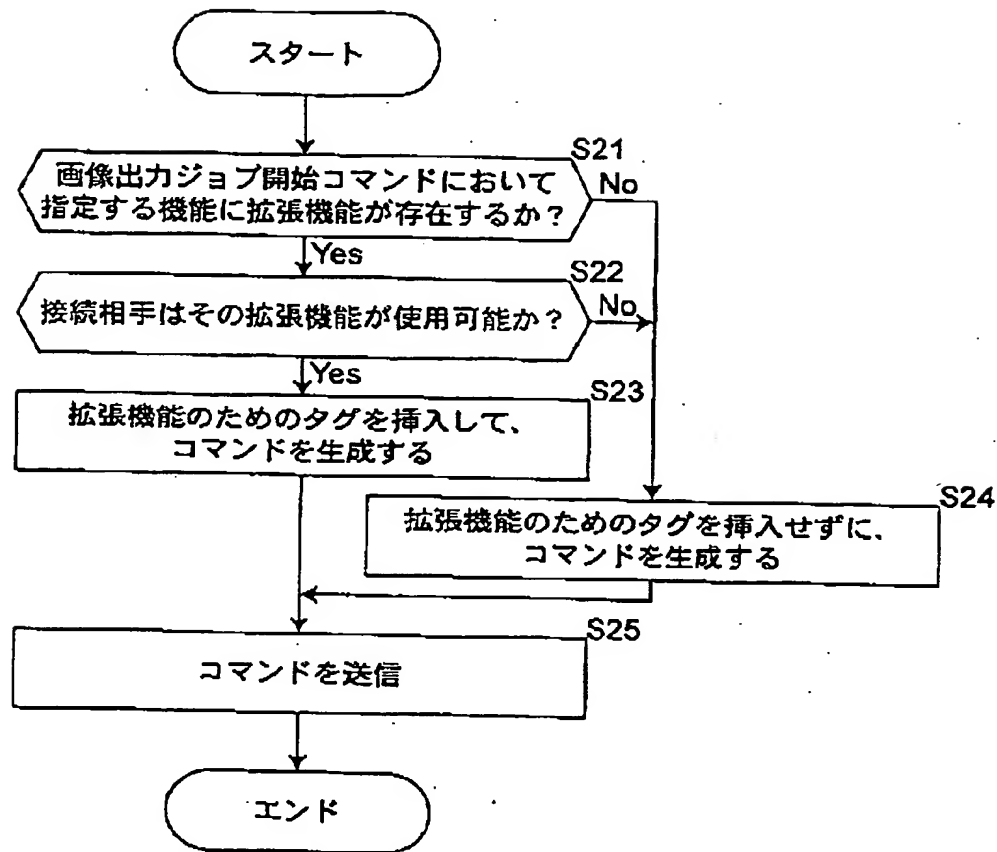
Fig. 13

offset	data
0	manufacturer name
6	reserved
8	entry number N of local tag
10	first local tag
22	print matching
...	...
$10+12(N-1)$	N-th local tag

Fig. 14

offset	data
0	print matching identifier
8	PIM version information
12	reserved
14	entry number n of parameter setting
16	1st parameter number
18	1st parameter setting value
22	2nd parameter number
24	2nd parameter setting value
28	3rd parameter number
30	3rd parameter setting value
...	...
$16+6(n-1)$	n-th parameter number
$18+6(n-1)$	n-th parameter setting value

Fig. 15



start

S21: extended function exists in function specified by job start command for image output?

S22: mating device is able to use extended function?

S23: generate command with tag for extended function

S24: generate command without tag for extended function

S25: transmit command

end

Fig. 16

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <startJobRequest>
    <job>
      <jobConfig>
        <quality>01000000</quality>
        <paperSize>02010000</paperSize>
        <paperType>03020000</paperType>
        <fileType>04150000</fileType>
        <date>05010000</date>
        <fileName>06000000</fileName>
        <imageOptimize>
          07000000
        <imageOptimize2>
          08000000
        </imageOptimize2>
      </imageOptimize>
      <layoutItem>08010000</layoutItem>
    </jobConfig>
    <printInfo>
      <image>
        <imageID>00000001</imageID>
        <imageDate>2002/05/30</imageDate>
      </image>
    </printInfo>
  </job>
</startJobRequest>
</dps>
```

Fig. 17

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxx">
  <startJobRequest>
    <job>
      <jobConfig>
        <quality>01000000</quality>
        <paperSize>02010000</paperSize>
        <paperType>03020000</paperType>
        <fileType>04150000</fileType>
        <date>05010000</date>
        <fileName>06000000</fileName>
        <imageOptimize>07000000</imageOptimize>
        <layoutItem>08010000</layoutItem>
      </jobConfig>
      <printInfo>
        <image>
          <imageID>00000001</imageID>
          <imageDate>2002/05/30</imageDate>
          <imageOptimize2>
            08000000
          </imageOptimize2>
        </image>
      </printInfo>
    </job>
  </startJobRequest>
</dps>
```


Fig. 18

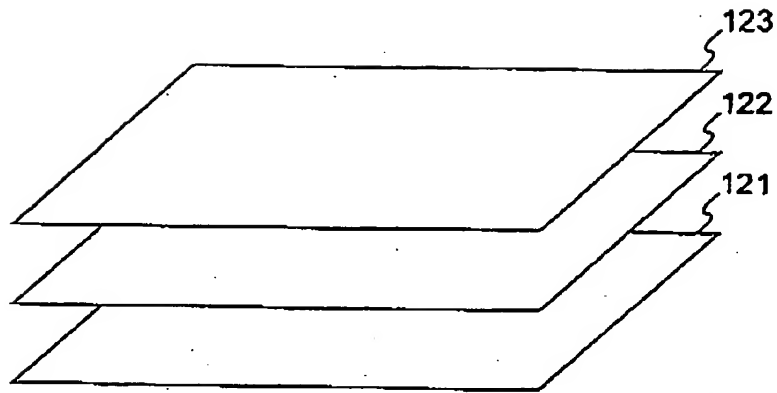


Fig. 19

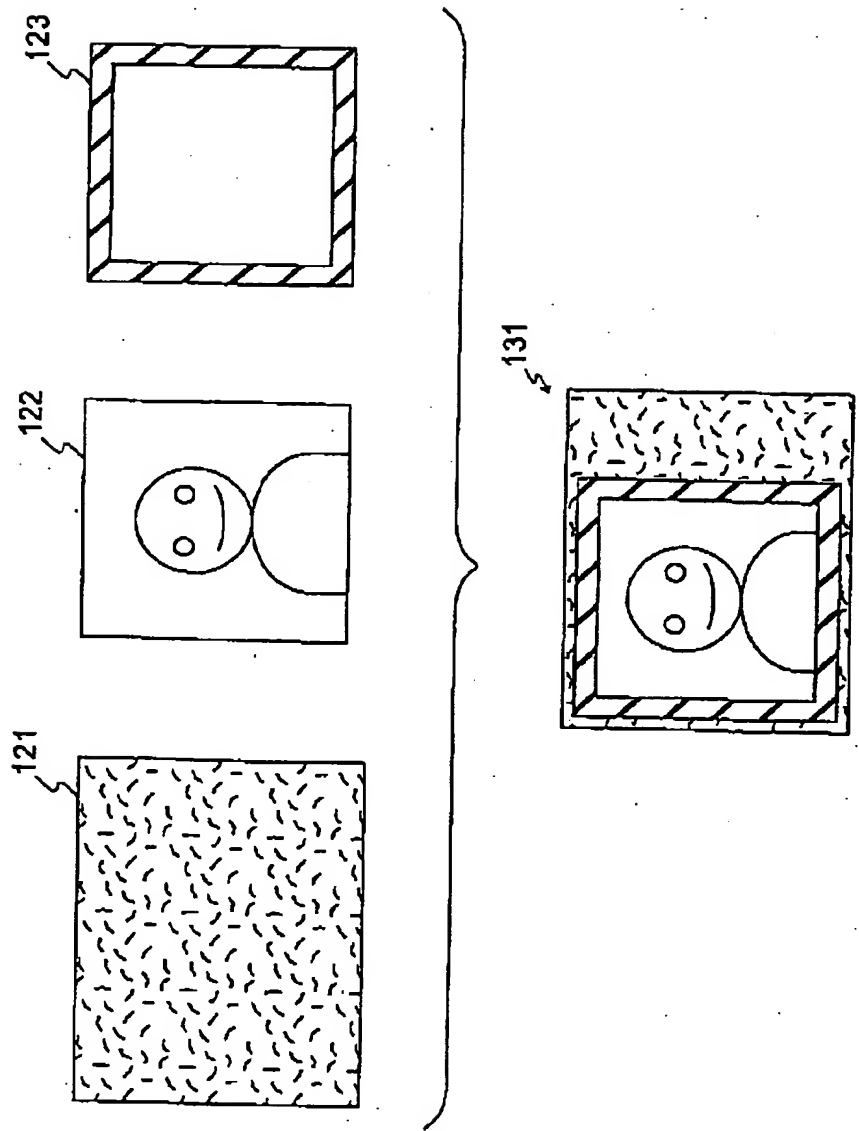


Fig. 20

[HEADER]

HdRevision = 02.00
HdAuthor = "xxxx"
HdCopyright = "xxxx"
HdChangeFlag = Possible
HdKeyWord = "Christmas", "Greeting"
HdTitle = "SAMPLE"
HdComment = "SAMPLE"
HdDirection = Vertical
HDSound = "..EPUDL/GSOUND.PCM"
HdCapacity = 1024000
HdThumbnail = "..EPUDL/IMAGE/001UDL.USF"
HdPhysicalPaperSize = R89
HdMargines = 3,3,3,3

[PAGE]

Draw Picture("", 1, 50, 100, 1500, 1200, 4, 0, 5)
Draw Picture("..EPUDL/IMAGE/001.EFF", 0, 10, 20, 100, 200, 0, 1, 4)
Draw Strings("..EPUDL/IMAGE/001.EFF", 0, "%G,%d,%y",
100, 200, 200, 300, "Mincho", 0, 128, 128, 128)

Draw Line(10, 20, 10, 200, 5, 255, 0, 0)
Draw Line(100, 20, 100, 200, 5, 255, 0, 0)
Draw Line(10, 20, 100, 20, 5, 255, 0, 0)
Draw Line(10, 200, 100, 200, 5, 255, 0, 0)

Fig. 21

```
<?xml version="1.0"?>
<DPS xmlns="http://dps.org/version">
  <startJobRequest>
    <job>
      <capability name="Standard">
        <qualities>01000000</qualities>
        <paperSizes>
          <paperSizesItems>02010000</paperSizesItems>
          <paperSizeLink>00000010</paperSizeLink>
        </paperSizes>
        <paperTypes>03020000</paperTypes>
        <imageType>04000000</imageType>
        <dates>05010000</dates>
        <fileName>06000000</fileName>
        <imageOptimize>07000000</imageOptimize>
        <layout>
          <layoutItems>08010000</layoutItems>
          <layoutLink>00000011</layoutLink>
        </layout>
      </capability>
    </job>
    <printInfo>
      <image>
        <imageID>00000001</imageID>
        <imageDate>2002/05/30</imageDate>
        <imageLink>00000012</imageLink>
      </image>
    </printInfo>
  </startJobRequest>
</DPS>
```